

# Work Order ID 53389

November 3, 2009 10:24:38 AM

Page 1

Item ID: D350-607-143

Accept

Setup Start

Revision ID: A

Stop

Item Name: Hydraulic Spring Installation

Start Date: 11/03/09 Start Qty: 10.00

Cust Item ID:

Required Date: 11/03/09 Req'd Qty: 10.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

DSI 9473

A

0.00



DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP D350-607-143 / DSI9473

CHG001

110

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

9/11/03 BG 09/11/03

9/11/3 10x SP

SP 09/11/10 10

**Work Order ID 53389**

November 3, 2009 10:24:38 AM



Page 2

Item ID: D350-607-143

Accept



Setup Start



Revision ID: A

Stop



Item Name: Hydraulic Spring Installation

Start Date: 11/03/09 Start Qty: 10.00



Cust Item ID:

Required Date: 11/03/09 Req'd Qty: 10.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-607-143 / DSI 9473

Location:

PPP rev: *[Signature]*

9/11/10 100 SP

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/11/10 *[Signature]*  
MF  
09-11-10

# Picklist Print

November 3, 2009 10:24:34 AM

Page 1

Work Order ID: 53389

Parent Item: D350-607-143

Parent Item Name: Hydraulic Spring Installation

Comments:

Start Date: 11/03/09

Required Date: 11/03/09

Start Qty: 10.00

Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3953-3 Gas Spring Stud, Lid		Manufactured	No			110	Each	20.0000	10.0000			
---------------------------------	--	--------------	----	--	--	-----	------	---------	---------	--	--	--

Warehouse                      Loc Qty                      Loc Code  
Location

Main Warehouse

ST139B

20

52757

20

D3953-5 Gas Spring Stud, Base		Manufactured	No			110	Each	20.0000	20.0000			
----------------------------------	--	--------------	----	--	--	-----	------	---------	---------	--	--	--

Warehouse                      Loc Qty                      Loc Code  
Location

Main Warehouse

ST139C

20

52809

20

D3953-9 Gas Spring Washer		Manufactured	No			110	Each	40.0000	20.0000			
------------------------------	--	--------------	----	--	--	-----	------	---------	---------	--	--	--

Warehouse                      Loc Qty                      Loc Code  
Location

Main Warehouse

ST139C

40

52759

40

# Picklist Print

November 3, 2009 10:24:35 AM

Work Order ID: 53389

Parent Item: D350-607-143

Parent Item Name: Hydraulic Spring Installation

Start Date: 11/03/09

Required Date: 11/03/09


Comments:


Start Qty: 10.00


Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3953-11		Manufactured	No			110	Each	40.0000	10.0000			
<div style="display: flex; justify-content: space-between;"> <div>  <p>Gas Spring Spacer</p> </div> <div> <p><u>Warehouse</u></p> <p><u>Location</u></p> <p>Main Warehouse</p> <p>ST139C</p> <p>52767</p> </div> <div> <p><u>Loc Qty</u></p> <p>40</p> <p>40</p> </div> <div> <p><u>Loc Code</u></p> <p></p> </div> </div>												

D3953-15		Manufactured	No			110	Each	14.0000	10.0000			
<div style="display: flex; justify-content: space-between;"> <div>  <p>Gas Spring Bracket</p> </div> <div> <p><u>Warehouse</u></p> <p><u>Location</u></p> <p>Main Warehouse</p> <p>ST</p> <p>52762</p> </div> <div> <p><u>Loc Qty</u></p> <p>14</p> <p>14</p> </div> <div> <p><u>Loc Code</u></p> <p></p> </div> </div>												

D3953-17		Manufactured	No			110	Each	24.0000	10.0000			
<div style="display: flex; justify-content: space-between;"> <div>  <p>Gas Spring Spacer</p> </div> <div> <p><u>Warehouse</u></p> <p><u>Location</u></p> <p>Main Warehouse</p> <p>ST</p> <p>52763</p> </div> <div> <p><u>Loc Qty</u></p> <p>24</p> <p>24</p> </div> <div> <p><u>Loc Code</u></p> <p></p> </div> </div>												

D3969-1		Manufactured	No			110	Each	0.0000	10.0000			
<div style="display: flex; justify-content: space-between;"> <div>  <p>Gas Spring (Basket Lid)</p> </div> <div> <p><u>Warehouse</u></p> <p><u>Location</u></p> <p>Main Warehouse</p> <p>ST</p> <p>52763</p> </div> <div> <p><u>Loc Qty</u></p> <p>24</p> <p>24</p> </div> <div> <p><u>Loc Code</u></p> <p></p> </div> </div>												

November 3, 2009 10:24:35 AM

Shop Packet Print

# Picklist Print

November 3, 2009 10:24:35 AM

Work Order ID: 53389

Parent Item: D350-607-143

Parent Item Name: Hydraulic Spring Installation

Start Date: 11/03/09

Required Date: 11/03/09

Comments:

Start Qty: 10.00

Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN3C11A		Purchased	No			110	Each	100.0000	20.0000			
---------	--	-----------	----	--	--	-----	------	----------	---------	--	--	--



BOLT

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

100

~~112255~~

50

~~112969~~

50

AN3C15A		Purchased	No			110	Each	100.0000	20.0000			
---------	--	-----------	----	--	--	-----	------	----------	---------	--	--	--



Bolt

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

100

~~112255~~

50

~~112969~~

50

AN310-4		Purchased	No			110	Each	84.0000	20.0000			
---------	--	-----------	----	--	--	-----	------	---------	---------	--	--	--



NUT

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

84

~~110098~~

34

~~112969~~

50

# Picklist Print

November 3, 2009 10:24:36 AM

Page 4

Work Order ID: 53389

Parent Item: D350-607-143

Parent Item Name: Hydraulic Spring Installation


Comments:

Start Date: 11/03/09

Required Date: 11/03/09

Start Qty: 10.00


Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21043-3  Nut		Purchased	No			110	Each	5,063.000	40.0000			

9/11/13

sl

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	80	
103691	80	
Main Warehouse		
ST	4983	
111819	78	
112243	39	
112314	4866	



MS24665-2-12  COTTER PIN		Purchased	No			110	Each	192.0000	20.0000			
---	--	-----------	----	--	--	-----	------	----------	---------	--	--	--

40x sl

9/11/13

sl (10x)

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	192	
111499	192	

NAS1149C0332  Washer	AN960C10C	Purchased	No			110	Each	0.0000	40.0000			
NAS1149C0432  Washer	AN960C4164	Purchased	No			110	Each	0.0000	20.0000			

20x sl

11/21/16 9/11/19 sl

11/24/12 9/11/19

November 3, 2009 10:24:36 AM

Shop Packet Print

Page 4

# DART SERVICE INSTRUCTION

TO AMEND DRAWING D350-607 REV. F OR SUBSEQUENT APPROVED REVISION

REF CANADIAN STC: SH94-14

FAA STC: SR00213NY

EASA STC: EASA.IM.R.S.01405

RE

ONLY

53389

THE PURPOSE OF THIS DART SERVICE INSTRUCTION (DSI), IS TO PROVIDE OPERATORS OF AS350 / 355 ROTORCRAFT EQUIPPED WITH DART D350-607-041 HELI UTILITY BASKETS WITH AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 2 GAS SPRINGS.

FOR OPERATORS EQUIPPED WITH D350-607-043/-045/-047 HELI UTILITY BASKETS THIS DSI WILL PROVIDE AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 1 GAS SPRING.

ITEM No.	QTY -141	QTY -143	QTY -145	PART NUMBER	DESCRIPTION
1	X			D350-607-141	GAS SPRING KIT INSTALLATION (FOR USE ON -041 BASKET*)
2		X		D350-607-143	GAS SPRING KIT INSTALLATION (FOR USE ON -043/-047 BASKET*)
3			X	D350-607-145	GAS SPRING KIT INSTALLATION (FOR USE ON -045 BASKET*)
4	2		1	D3953-1	GAS SPRING BRACKET
5	2	1	1	D3953-3	GAS SPRING STUD (LID)
6	2	2	1	D3953-5	GAS SPRING STUD (BASE)
7	2		1	D3953-7	GAS SPRING SPACER
8	4	2	2	D3953-9	GAS SPRING WASHER
9	2	1	1	D3953-11	GAS SPRING SPACER
10	2		1	D3953-13	GAS SPRING SPACER
11		1		D3953-15	GAS SPRING BRACKET
12		1		D3953-17	GAS SPRING SPACER
13	2	1	1	D3969-1	GAS SPRING
14	4	2	2	AN3C11A	BOLT
15		2		AN3C15A	BOLT
18	4		2	AN3C16A	BOLT
19	4	2	2	AN310-4	CASTELLATED NUT
20	8	4	4	MS21043-3	NUT
21	4	2	2	MS24665-212	COTTER PIN
22	8	4	4	NAS1149C0332	WASHER
23	4	2	2	NAS1149C0432H	WASHER

**\*NOTE:** FOR CUSTOMERS WISHING TO ORDER NEW BASKETS WITH THE GAS SPRING KIT PRE-INSTALLED USE THE FOLLOWING NUMBERS:

D350-607-041 BASKET WITH GAS SPRING UPGRADE KIT = D350-607-041A

D350-607-043 BASKET WITH GAS SPRING UPGRADE KIT = D350-607-043A

D350-607-045 BASKET WITH GAS SPRING UPGRADE KIT = D350-607-045A




D350-607-047 BASKET WITH GAS SPRING UPGRADE KIT = D350-607-047A

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 09.09.15  
CERT. NO.: SH94-14  
ISSUE NO.: 4

A	NEW ISSUE	AJS	09.09.15
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9473	SHEET 1 OF 8
APPROVED		TITLE	SCALE
DE APPR.		GAS SPRING UPGRADE KIT	NTS
DATE	09.09.15	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

# DART SERVICE INSTRUCTION

TO AMEND DRAWING D350-607 REV. F OR SUBSEQUENT APPROVED REVISION

REF CANADIAN STC: SH94-14

FAA STC: SR00213NY

EASA STC: EASA.IM.R.S.01405

53389

THE PURPOSE OF THIS DART SERVICE INSTRUCTION (DSI), IS TO PROVIDE OPERATORS OF AS350 / 355 ROTORCRAFT EQUIPPED WITH DART D350-607-041 HELI UTILITY BASKETS WITH AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 2 GAS SPRINGS.

FOR OPERATORS EQUIPPED WITH D350-607-043/-045/-047 HELI UTILITY BASKETS THIS DSI WILL PROVIDE AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 1 GAS SPRING.

ITEM No.	QTY -141	QTY -143	QTY -145	PART NUMBER	DESCRIPTION
1	X			D350-607-141	GAS SPRING KIT INSTALLATION (FOR USE ON -041 BASKET*)
2		X		D350-607-143	GAS SPRING KIT INSTALLATION (FOR USE ON -043/-047 BASKET*)
3			X	D350-607-145	GAS SPRING KIT INSTALLATION (FOR USE ON -045 BASKET*)
4	2		1	D3953-1	GAS SPRING BRACKET
5	2	1	1	D3953-3 20	GAS SPRING STUD (LID)
6	2	2	1	D3953-5 20	GAS SPRING STUD (BASE) Make 52434 x 10 wip
7	2		1	D3953-7	GAS SPRING SPACER
8	4	2	2	D3953-9 40	GAS SPRING WASHER
9	2	1	1	D3953-11 40	GAS SPRING SPACER
10	2		1	D3953-13	GAS SPRING SPACER
11		1		D3953-15 4	GAS SPRING BRACKET make
12		1		D3953-17 14	GAS SPRING SPACER
13	2	1	1	D3969-1 wip	GAS SPRING
14	4	2	2	AN3C11A /	BOLT
15		2		AN3C15A	BOLT
18	4		2	AN3C16A	BOLT
19	4	2	2	AN310-4	CASTELLATED NUT
20	8	4	4	MS21043-3	NUT
21	4	2	2	MS24665-212	COTTER PIN
22	8	4	4	NAS1149C0332R	WASHER (OR AN960C10L)
23	4	2	2	NAS1149C0432R	WASHER (OR AN960C416L)

REFERENCE ONLY

**\*NOTE:** FOR CUSTOMERS WISHING TO ORDER NEW BASKETS WITH THE GAS SPRING KIT PRE-INSTALLED USE THE FOLLOWING NUMBERS:

D350-607-041 BASKET WITH GAS SPRING UPGRADE KIT = D350-607-041A  
D350-607-043 BASKET WITH GAS SPRING UPGRADE KIT = D350-607-043A  
D350-607-045 BASKET WITH GAS SPRING UPGRADE KIT = D350-607-045A  
D350-607-047 BASKET WITH GAS SPRING UPGRADE KIT = D350-607-047A

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: D. SHEPHERD (DE # 02)

DATE: 09.11.04  
CERT. NO.: SH94-14  
ISSUE NO.: 4

B	SHT 1 P/L ITEM 22 WAS NAS1149C0332 ITEM 23 WAS NAS1149C0432H. ALL OTHER SHEETS UPDATED ACCORDINGLY. (REASON: DRAFTING ERROR)	AJS	09.11.03
A	NEW ISSUE	AJS	09.09.15
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. B
MFG. APP.	N/A	DSI 9473	SHEET 1 OF 8
APPROVED		TITLE	SCALE
DE APPR.		GAS SPRING UPGRADE KIT	NTS
DATE	09.11.04	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

REFERENCE ONLY